

Special Issue

Epigenetics of Metabolic Diseases

Message from the Guest Editor

Diabetes is a complex metabolic condition that is influenced by both genetic and environmental factors. Recent advances have shed light on the role of epigenetics in the pathogenesis of diabetes and its complications. This special issue explores new insights into how epigenetic changes impact the onset, progression, and management of diabetes and its associated complications, such as cardiovascular disease, nephropathy, and retinopathy. We invite original research articles, reviews, and perspectives on various aspects of epigenomics (DNA methylation, histone modifications, non-coding RNAs, and chromatin remodeling) in relation to diabetes pathophysiology. Key topics include the identification of epigenetic biomarkers, the influence of environmental factors on the epigenome, therapeutic strategies targeting epigenetic alterations, and the interaction between genetic and epigenetic factors in diabetes. Overall, this special issue aims to deepen our understanding of the epigenomic landscape in diabetes and contribute to improved diagnostic and therapeutic approaches.

Guest Editor

Dr. Makrina Karaglani

1. Laboratory of Pharmacology, Department of Medicine, Democritus University of Thrace, 68100 Alexandroupolis, Greece
2. Institute of Agri-Food and Life Sciences, University Research and Innovation Centre, Hellenic Mediterranean University, 71003 Heraklion, Greece

Deadline for manuscript submissions

closed (30 January 2026)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 10.0
Indexed in PubMed



mdpi.com/si/215997

*International Journal of
Molecular Sciences*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
ijms@mdpi.com

[mdpi.com/journal/
ijms](https://mdpi.com/journal/ijms)





International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 10.0
Indexed in PubMed



[mdpi.com/journal/
ijms](https://mdpi.com/journal/ijms)



About the Journal

Message from the Editor-in-Chief

The *International Journal of Molecular Sciences (IJMS)* is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, and molecular biophysics. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

Editor-in-Chief

Prof. Dr. José L. Quiles

Department of Physiology, Institute of Nutrition and Food Technology
"Jose Mataix", Biomedical Research Center, University of Granada,
Avda. Conocimiento s/n, 18100 Armilla, Granada, Spain

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, MEDLINE, Embase, CAPus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Inorganic Chemistry)